

P28025.ST25.txt  
SEQUENCE LISTING

<110> RIKEN  
MIYAWAKI, Atsushi  
NAGAI, Takeharu

<120> Fluorescent Indicator Using FRET

<130> P28025

<140> 10/538,772  
<141> 2005-06-10

<150> PCT/JP2003/015790  
<151> 2003-12-10

<150> JP2002-357768  
<151> 2002-12-10

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<170> PatentIn version 3.3

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Lys Arg Arg Trp Lys Lys Asn Phe Ile Ala Val Ser Ala Ala Asn Arg  
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Phe Lys Lys Ile Ser Ser Ser Gly Ala Leu  
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Arg Leu Ser Ser  
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Ala Arg Arg Lys Leu Lys Gly Ala Ile Leu Thr Thr Met Leu Ala Thr  
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Arg Asn Phe Ser  
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Ser

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Arg Leu Gly Ser  
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Pro Ala Pro Lys Ser Gly Ser Tyr Thr Val  
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Ala Arg Val Phe Ser Val Leu Arg  
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Val Lys Lys Gly Gln Gln Gln Asn Arg Gly  
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Arg Gly Lys Phe Lys Val Ile Cys Leu Thr Val Leu Ala Ser Val Arg  
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Ile Tyr Tyr Gln Tyr Arg Arg Val Lys Pro Gly  
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Thr Gln Ile Lys Val Val Asn Ala Phe Ser Ser Ser  
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Lys Gln Leu Glu Lys  
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Thr Glu Lys Met Trp Gln Arg Leu Lys Gly Ile Leu Arg Cys Leu Val  
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Lys Gln Leu Glu Lys  
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Ser Ala Lys Leu Met Gly Gln  
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Val Gln Leu Met His Cys Arg Lys Met Phe Lys Ala  
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Gly Thr Glu Ala  
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Ile Thr Arg Lys Lys Leu Lys Gly Glu Lys Lys  
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Ala Thr Phe Asn Ser Ile Lys Glu  
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Gly Phe Ser Phe Lys Lys Ser Lys Lys  
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Gly Leu Glu Val Ile  
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Leu Leu Gly Arg Arg  
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Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu  
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Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln  
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His Ser Gln Gly Thr Phe Thr Thr Ser Asp Tyr Ser Lys Tyr Leu Asp  
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Ser Arg Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn Thr  
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His Ser Asp Gly Thr Phe Thr Ser Glu Leu Ser Arg Leu Arg Asp Ser  
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Ala Arg Leu Gln Arg Leu Leu Gln Gly Leu Val  
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Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn  
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Tyr Ala Asp Gly Thr Phe Ile Ser Asp Tyr Ser Ala Ile Met Asn Lys  
1 5 10 15

Ile Arg Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Gln Gln Lys  
20 25 30

Ser

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Lys Leu Trp Lys Lys Leu Leu Lys Leu Leu Lys Lys Leu Leu Lys Leu  
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Gly

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Lys Lys Lys Arg Lys  
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Met Leu Arg Thr Ser Ser Leu Phe Thr Arg Arg Val Gln Pro Ser Leu  
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Phe Arg Asn Ile Leu Arg Leu Gln Ser Thr  
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Cys Ala Ala Xaa  
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Cys Cys  
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<222> (1)..(3)

<223> Xaa = any amino acid

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Cys Xaa Cys

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Cys Cys Xaa Xaa

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28

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